

IN THE CLAIMS:

Please amend Claims 1, 6, 7, 10 and 11, as follows:

1. (Currently Amended) A sheet material identifying apparatus for identifying the kind of a sheet material, comprising:

an adjusting assembly for dehumidifying or humidifying a predetermined region of the sheet material and adjusting the moisture content of the predetermined region;

an external force applying means for applying an external force to the predetermined region of the sheet material whose moisture content is adjusted; and

a detecting means for detecting the external force propagated through the sheet while the external force is applied by the external force applying means; ~~wherein~~ and

~~an external force is applied to the predetermined region whose moisture content is adjusted through the adjusting assembly by the external force applying means and~~ identifying means for identifying the kind of a sheet material ~~is identified in accordance with the external force propagated through the sheet~~ a detected result of ~~[[by]]~~ the detecting means.

2. (Original) The sheet material identifying apparatus according to claim 1, wherein

the adjusting assembly is a heating mechanism.

3. (Original) The sheet material identifying apparatus according to claim 2, wherein

the heating mechanism is a fixing device in an electronic photographing apparatus.

4. (Original) The sheet material identifying apparatus according to claim 2,
wherein
the heating mechanism is a transfer assembly in a heat transfer printer.

5. (Original) The sheet material identifying apparatus according to claim 1,
wherein
the adjusting assembly is a humidifying mechanism.

6. (Currently Amended) The sheet material identifying apparatus according to
claim 5, wherein
the humidifying mechanism is an ink discharging mechanism (~~print head~~) in an ink jet
printer.

7. (Currently Amended) The sheet material identifying apparatus according to
claim 1, ~~which further comprises~~
~~an identifying means for identifying the kind of a sheet material in accordance with the~~
~~external force detected by the detecting means; wherein~~
the identifying means identifies the kind of the sheet material by comparing the
external force detected by the detecting means with a table previously storing the external forces
and the kinds of sheet materials corresponding to the external forces.

8. (Original) The sheet material identifying apparatus according to claim 1, which further comprises

a moisture content detecting means for detecting the moisture content of the sheet material, wherein the moisture content detecting means controls the adjusting assembly so as to adjust the moisture content of the predetermined region of the sheet material in accordance with a moisture content detection result by the moisture content detecting means.

9. (Original) The sheet material identifying apparatus according to claim 1, wherein

the external force to be applied to the predetermined region by the external force applying means is an impact force or vibration.

10. (Currently Amended) A sheet material treating apparatus comprising the sheet material identifying apparatus of claim 1, wherein

a sheet is treated in accordance with the kind of the sheet material identified by the sheet material identifying apparatus.

11. (Currently Amended) A sheet material identifying method for identifying the kind of a sheet material, comprising:

a moisture content adjusting step of dehumidifying or humidifying a predetermined region of the sheet material to adjust the moisture content of the predetermined region;

an external force applying step of applying an external force to the predetermined region of the sheet material whose moisture content is adjusted by an external force applying means;

an external force detecting step of detecting the applied external force propagated through the sheet after the external force is applied by the external force applying means; and

an identifying step of identifying the kind of a sheet material in accordance with the detected external force detected in the external force detecting step after the moisture content of the predetermined region is ~~adjusted~~ controlled so as to be kept in a predetermined range.